

GYS122J**FULL HYDRAULIC SINGLE DRUM VIBRATORY ROLLER**Specification

Overall Dimension		
1	Length	5,850 mm
2	Width (to outside of wheels)	2,250 mm
3	Height (top of the cab)	3,080 mm
4	Wheel base	3,000 mm
5	Min. ground clearance	420 mm
Main Technical Specification		
1	Static line force	317 N/cm
2	Operating weight	12,000 kg
3	Centrifugal Force	280/180 KN

4	Frequency	30/35 Hz
5	Amplitude	1.9/0.9 mm
6	Static Weight at Drum	6,800 Kg
7	Static Weight at Tires	5,200 Kg
8	Min. turning radius	6,200 mm
9	Drum diameter	1,450 mm
10	Drum width	2,100 mm
11	Traveling speed (Km/h)	0~5.5 , 0~10
12	Gradient capacity	45%
13	Size of tire	20.5-25-16PR
Diesel engine		
1	Model	Weichai WP4G110E220 / Cummins 4BTA3.9-C125
2	Type	Vertical liquid-cooled
3	Rated output	82 kW / 92 kw
4	Rated speed	2,200 (r/min)
Driving System		
1	Type	Hydraulic Front Drum & Rear Axle Drive
2	Drive axle	JINGDA CYQ1651
3	Model of motor	DANFOSS H1B060
4	Model of pump	DANFOSS 90R55
Working Hydraulic System		
1	Model of vibratory pump	DANFOSS MPV046

2	Model of vibratory motor	DANFOSS MMF044
Steering System		
1	Steering cylinder	HSGK01-110/45E-242
2	Model of redirector	BZZ1-E630A
Brake System		
1	Type of service brake	Hydraulic
2	Type of parking brake	Electric disc brake parking brake
Tank Capacity		
1	Fuel tank	240 L
2	Hydraulic oil tank	240 L

Configurations

No.	Parts	Model	Manufacturer	Origin
1	Engine	WP4G110E220 / 4BTA3.9-C125	WEICHAI / CUMMINS	China
2	Vibratory pump	MPV046	DANFOSS	USA
3	Vibratory motor	MMF044	DANFOSS	USA
4	Steering cylinder	HSGK01-110/45E-242	CHENGPEI	China
5	Steering gear	BZZ1-E630A	ZHENJIANG	China
6	Tire	20.5-25	CHAOYANG	China
7	Axle	CYQ1651	JINGDA	China
8	Axle motor	H1B060	DANFOSS	USA
9	Driving pump	90R55	DANFOSS	China
10	Drum motor	90K55	DANFOSS	China

Advantages

1. Hydraulic front and rear wheel drive, multi-speed stepless speed change, strong theoretical climbing ability
2. Hydraulic vibration, electronically controlled delay start-up, large centrifugal force, good compaction performance
3. Hydraulic steering, articulated frame, light and flexible steering, light and flexible operation
4. The drive axle dedicated to the roller is equipped with superior drive performance
5. Hydraulic travel brake, electric control disc brake parking brake, with brake release device, can be towed at close range, good safety performance
6. The rear hood can be turned up at a large angle for easy maintenance
7. The drive and vibration system are equipped with imported international famous brand hydraulic components, and the performance is reliable
8. Optional different pattern tires; optional other brands of diesel engines
9. Standard cab, optional air conditioning

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